COMPLETE & CORRECTED

SDST Presentation To MODIS Team

Science Data Support Team

Report to MODIS Science Team

Santa Barbara, California

October 27,1992

Albert J. Fleig

SDST Presentation To MODIS Team

Overview

- Processing Flow
- Documents
- Instrument Duty Cycle
- Prototypes
- Schedule

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Processing Flow

- Start From Science Team Inputs To Project's Data Base
- Reduce the Number of Products
  - Combine Scales
  - Combine Products
  - Remove Level 3
- New Flow Charts in your Packets
- Lots of Questions
- Lots of Tables

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Was 195 Products

Now 77, 49 AL-28 PL, Could be 40 AL-16 PL

TABLES

1. **all the products in the charts by number**
2. **sorted by scientist, then by algorithm**
3. **Our Proposal sorted by scientist**

   Box means can we combine these with some meaningful name?

   Oval means we have a specific question
4. **Level 3 Products (are there more?)**
5. **Questions, answer and return today**
6. **Summary of changes made by TM**
7. **MODIS Required by non-MODIS**

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Documents

- Science Data Management Plan
  - Contract Requuirement
  - Distributed August 28
  - 8 Responses, 17 to go
- Science Computer Facility Plan
  - Contract Requirement
  - Distributed in Registration Packet for TMs
  - Input and comments by November 20
- Programing Guidelines
  - Draft Distributed
  - Periodically Updated as information becomes available
  - Updated as we all learn more

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SCF PLAN

Basis for Project Decisions, Budgets

You need to

make any desired generic comments

tell why, what, when, and how much

SDMP Responses

Response Received	No Response Yet	
John Barker	Mark Abbott	Yoram Kaufman
Kendall Carder	Ian Barton	Michael King
Dorothy Hall	Otis Brown	Paul Menzel
Alfredo R. Huete	Dennis Clark	Jan-Peter Muller
Steve Running	Wayne Esaias	John Parslow
Alan Strahler	Robert Eans	Vince Salomonson
D. D. Tanre	Howard Gordon	Philip Slater
Zhengming Wan	Frank Hoge	Vern Vanderbilt
Chris Justice		

Changing TM Code

- DIS standards
- toolkit
- PGS hardware configuration
- integration with other MODIS code
- structured input and output of MODIS data
- ingestion of non-MODIS data
- testing/certification

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MODIS Prototypes

- Guidelines
  - Dont make things worse for TMs
  - Produce things that are useful to TMs
  - Science Algorithms from appropriate TMs
- Goals
  - Prototype Level 2 Processing Shell
  - Gain experience working with TMs
  - Introduce reality into activities
- Meeting Objecties
  - Define initial protoypes
  - Identify who will provide prototype algorithms
  - Establish schedules

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Control Mechanisms

Data Flows

Algorithm Interactions

I/O redundancy

Process scheduling

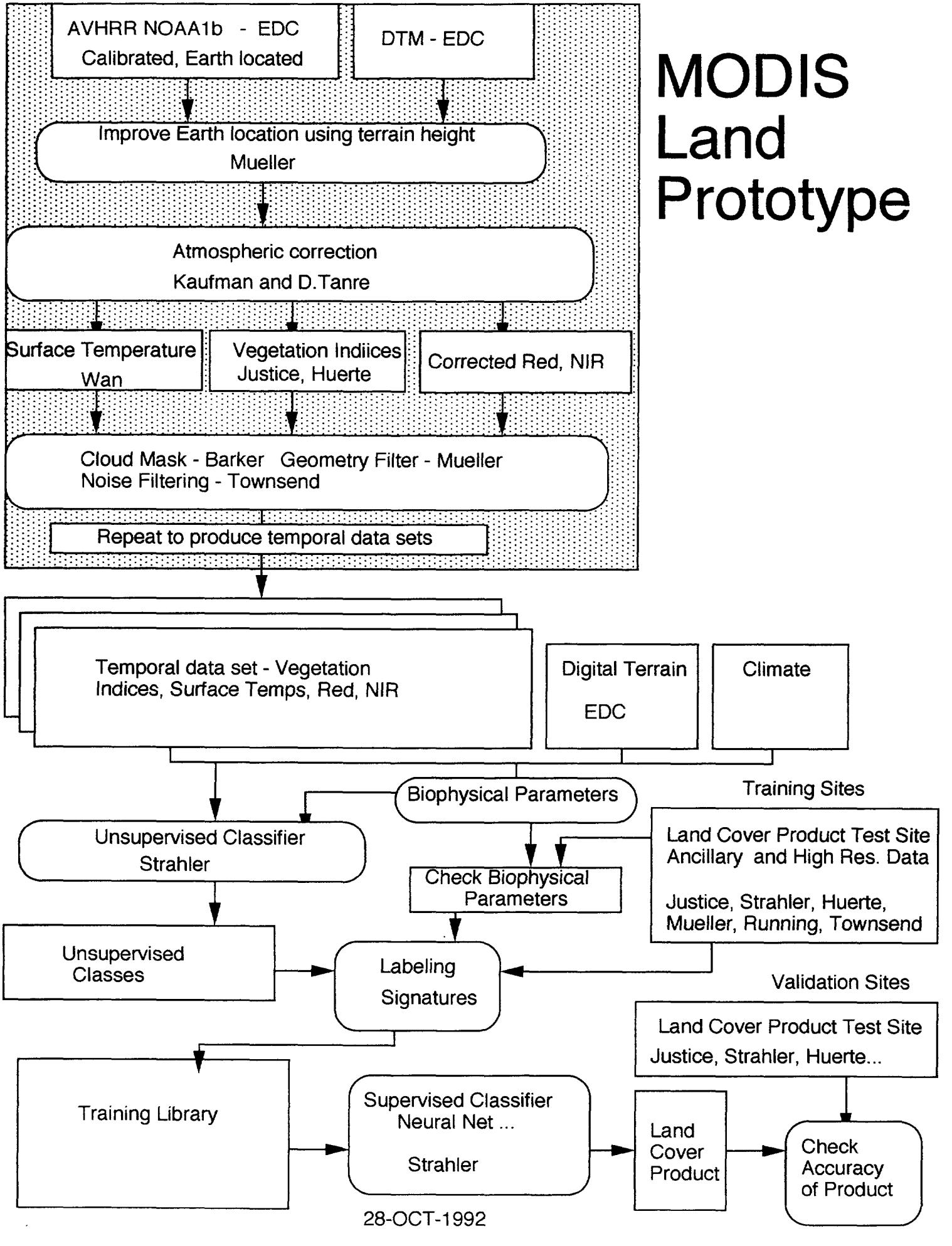
Processing Efficency

programing approach/standards

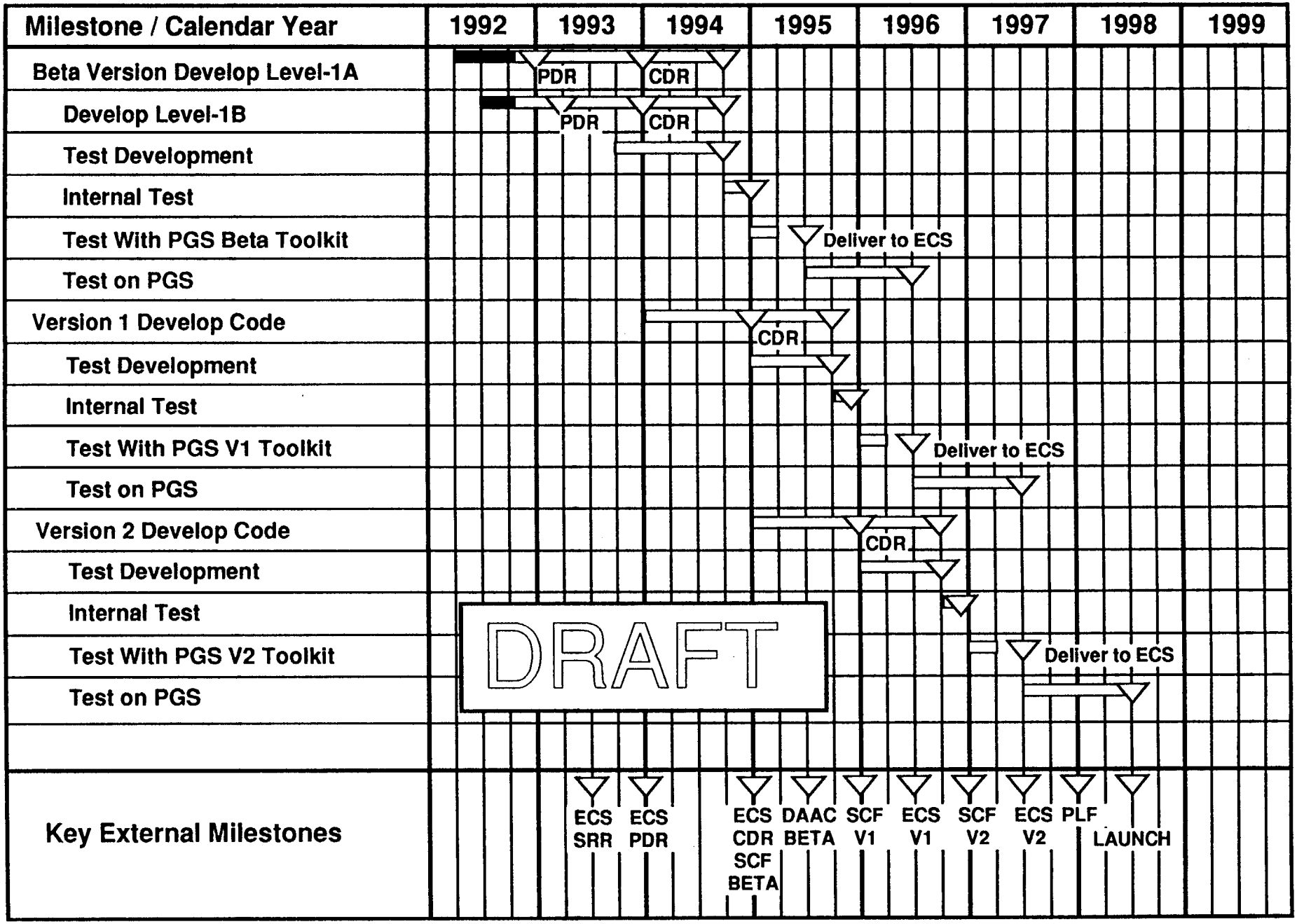
What Delivery Means

- Source code that works for you at your SCF
- Make Files
- Input data set used for checkout at your SCF
- Output from checkout at your SCF
- Programming comments

MODIS Land Prototype



MODIS Level-1 Code Development Schedule



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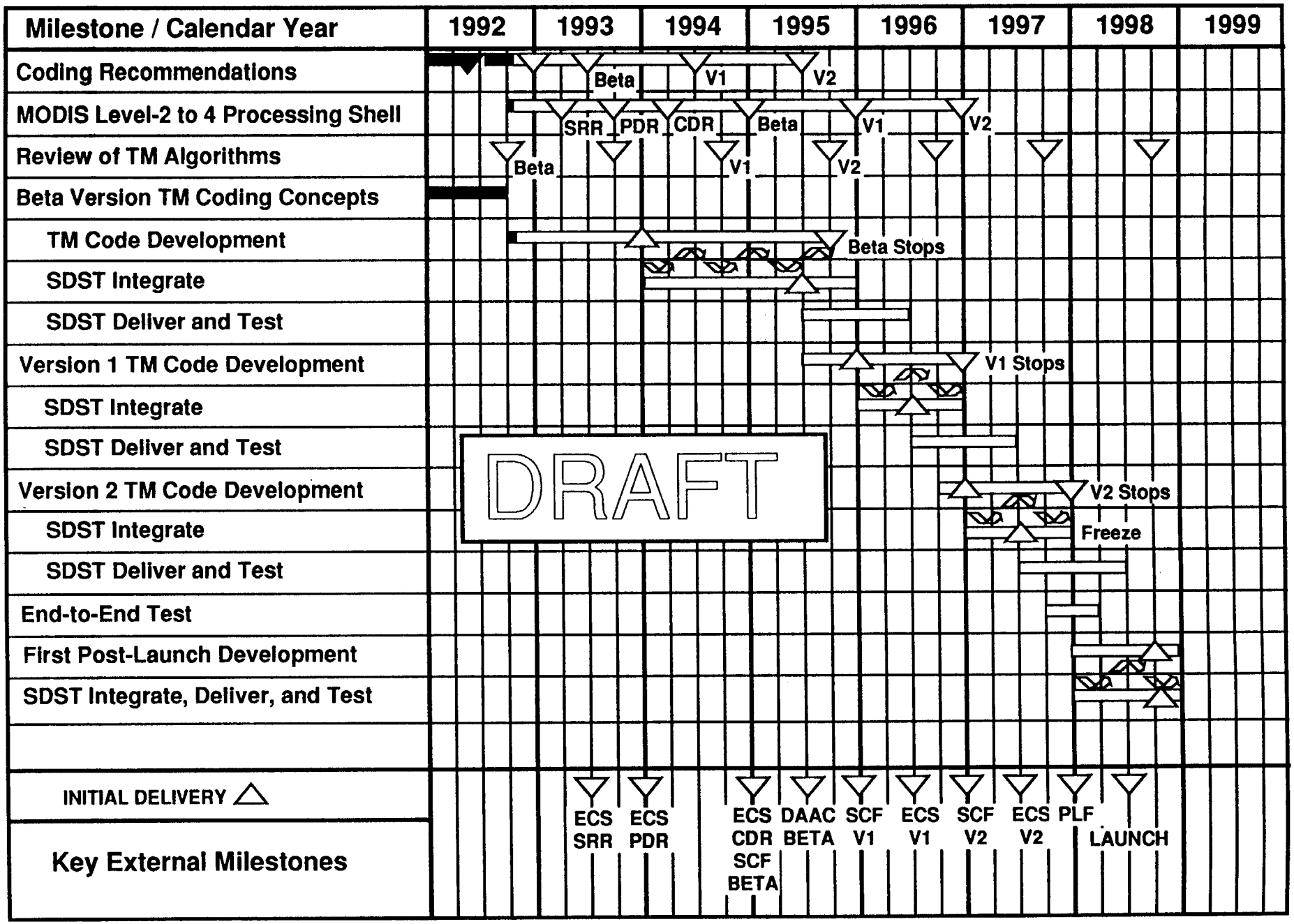
Macintosh IIsi MODIS SDST SCHEDULE

MODIS Level-2 to 4 Science Code Development Schedule



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